(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 January 2005 (06.01.2005)

PCT

(10) International Publication Number WO 2005/001675 A2

(51) International Patent Classification7:

G06F 3/00

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(21) International Application Number:

PCT/CA2004/000969

(22) International Filing Date: 30 June 2004 (30.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/483,184

30 June 2003 (30.06.2003)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN.
 - CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

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(54) Title: ALGORITHMIC GENERATION OF AFU CALLIGRAPHY

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(57) Abstract: A method for processing a data string of Arabic text characters into Arabic calligraphic script representation data. The method comprises identifying words in the string; identifying a form of the characters in the words, the form comprising initial, medial, final and isolated; for the characters that are not of the isolated form, identifying a type of the characters as a function of compatibility with a type of a neighboring character; selecting, for each one of the characters in the data string, a glyph from a set of predetermined glyphs corresponding to the characters, the forms and the type; and determining a vertical offset for each glyph to match neighboring glyphs, the script representation data comprising glyph identification data and offset data for each character in the data string.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

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